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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/174,957 12/28/93 KAMIYAMA

S 024703006

021839 IM22/0306
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EXAMINER

LEADER, W

ART UNIT

PAPER NUMBER

1741
DATE MAILED:

03/06/01

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**BEFORE THE BOARD OF PATENT APPEALS
AND INTERFERENCES**

Paper No. 24

Application Number: 08/174,957

Filing Date: 12/28/93

Appellant(s): Shiro Kamiyama, Masanori Kosugi, Masahiro Kurata, Sadao Shiraishi, Michio Kobayashi

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**SUPPLEMENTAL
EXAMINER'S ANSWER**

In the paper filed on November 7, 1996, appellants amended claims 1 and 17 in response to the new ground of rejection set forth in the Examiner's Answer mailed on September 20, 1996. Consequently, the language of claims 1 and 17 in the Appendix to the Appeal Brief differs from its last amended version. An updated Appendix with a correct copy of claims 1 and 17 is attached.

Art Unit: 1741

Respectfully submitted,

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December 20, 2000

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APPENDIX

TheAppealed Claims

1. A method for treating the surface of an aluminum alloy high-temperature processed article, comprising heating an aluminum alloy containing Mg at a high temperature of 200° or above, etching the surface by a single step process of exposing the surface to an aqueous solution containing a chelating agent wherein the aqueous solution consists of a solution having a pH of 7 or higher, and then carrying out hydration oxidation treatment.
7. The method according to Claim 1, wherein said chelating agent is selected from the group consisting of ethylenediaminetetraacetic acid or an alkali metal salt thereof and an alkali metal salt of picolimic acid.
8. The method according to claim 7, wherein said chelating agent is disodium ethylenediaminetetraacetate.
9. The method according to Claim 1, wherein said chelating agent is in a concentration of 0.005 mol/lit.

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10. The method according to claim 1, wherein said chelating agent is in a concentration of from 0.005 mol/lit to 0.5 mol/lit.
11. The method according to Claim 1, wherein said aqueous solution further contains an amine compound.
12. The method according to claim 11, wherein said amine compound is triethanolamine.
13. The method according to Claim 1, wherein said etching is carried out at a temperature of from 40°C to 90°C for 3 seconds to 30 minutes.
14. The method according to Claim 1, wherein said Mg is in a content of 2% by weight or more.
15. The method according to claim 1, wherein said Mg is in a content of 2% by weight or more, and said hydration oxidation treatment is carried out using a treating solution having 500 ppm or less of sulfuric acid radical ion concentration, 100 ppm or less of phosphoric acid radical ion concentration, 200 ppm or less of an

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alkali metal salt concentration and 200 ppm or less of a heavy metal salt concentration, has a pH of 6 to 8 and has a bath temperature of from 80°C to 100°C.

17. A method for treating the surface of an aluminum alloy high-pressure processed article, comprising heating an aluminum alloy containing Mg at a high temperature of 200° or above, etching the surface by a single step process of exposing the surface to an aqueous solution containing a chelating agent wherein the aqueous solution consists of a solution having a pH of 7 or higher, and then carrying out at least one surface treatment selected from the group consisting of hydration oxidation treatment, coating type chromating, anodizing, alternating current electrolysis in an aqueous alkali solution, and coating.